

AGILENT TECHNOLOGIES, INC.  
Legal Department, DL429  
Intellectual Property Administration  
P. O. Box 7599  
Loveland, Colorado 80537-0599

## PATENT APPLICATION

ATTORNEY DOCKET NO. 10030605-1

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Daniel Sobek et al.

Serial No.: 10/675,037

Examiner: Jewel Vergie Thompson

Filing Date: Sept. 30, 2003

Group Art Unit: 2855

Title: MICROFLUIDIC BULK FLOW DETERMINATIONS  
BASED ON CONVERTING HEAT TRACER ELEMENTS

RECEIVED  
CENTRAL FAX CENTER

NOV 17 2004

COMMISSIONER FOR PATENTS  
PO Box 1450  
Alexandria, VA 22313-1450

TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Sir:

Transmitted herewith is/are the following in the above-identified application:

- (X) Response/Amendment ( ) Petition to extend time to respond  
( ) New fee as calculated below ( ) Supplemental Declaration  
(X) No additional fee (Address envelope to "Mail stop Non-Fee Amendments")  
( ) Other: \_\_\_\_\_ (fee \$ \_\_\_\_\_)

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS	24	MINUS	24	= 0	X \$18	\$ 0
INDEP. CLAIMS	3	MINUS	3	= 0	X \$88	\$ 0
[ ] FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM					+ \$300	\$ 0
EXTENSION FEE	1ST MONTH \$110.00	2ND MONTH \$430.00	3RD MONTH \$980.00	4TH MONTH \$1530.00		\$ 0
OTHER FEES						\$
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$ 0

Charge \$ 0 to Deposit Account 50-1078. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 50-1078 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 50-1078 under 37 CFR 1.16, 1.17, 1.19, 1.20 and 1.21. A duplicate copy of this sheet is enclosed.

I hereby certify that this paper is being facsimile  
transmitted to the Patent and Trademark Office on  
the date shown below.

Date of Facsimile: Nov. 17, 2004

Typed Name: Judith E. Brown

Signature: Judith E. Brown

Respectfully submitted,

Daniel Sobek et al.

By

Terry McHugh

Attorney/Agent for Applicant(s)

Reg. No. 33,261

Date: Nov. 17, 2004

Telephone No.: (650) 969-8458

AGILENT TECHNOLOGIES, INC.  
Legal Department, DL429  
Intellectual Property Administration  
P.O. Box 7599  
Loveland, CO 80537-0599

PATENT APPLICATION  
Attorney Docket No. 10030605-1

RECEIVED  
CENTRAL FAX CENTER

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

NOV 17 2004

Inventor(s): Daniel Sobek et al. Confirmation No.: 5396  
Application No.: 10/675,037 Examiner: Jewel Vergie Thompson  
Filing Date: September 30, 2003 Group Art Unit: 2855  
Title: MICROFLUIDIC BULK FLOW DETERMINATIONS  
BASED ON CONVERTING HEAT TRACER ELEMENTS

COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT**

Sir:

In response to the Office action mailed September 16, 2004,  
please amend the above-identified patent application as follows:

**Amendments to the Claims** are reflected in the listing of claims which begins  
on page 2 of this paper.

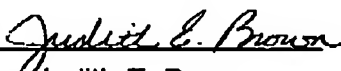
**Remarks** begin on page 8 of this paper

---

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office number  
listed below on the date indicated.

Facsimile No.: (703) 872-9306

Date of Transmittal: November 17, 2004

Signature   
Typed Name: Judith E. Brown